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REPORT NO. 4

Ville Ties and Provesting Test Results

CROP of \$1977



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 November 4, 1977

## COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1977

## Discussion of Test Results

The average fiber length of short staple cottons tested from the Southwest through October 28 is about the same as a year ago, according to the Cotton Division, Agricultural Marketing Service, USDA. Samples tested are more uniform, finer and considerably stronger than a year ago. Shirley Analyzer nonlint content is somewhat higher, but picker and card waste is lower. Yarns spun from these samples are considerably stronger. Yarn appearance grades are lower. The average spinning potential number is higher.

Average test results for all medium staple samples show fibers to be longer and more uniform than a year ago at this time. Fibers are coarser and stronger at zero gage fiber strength. Shirley Analyzer nonlint content is higher than last season. Yarns spun from these samples show slightly weaker yarns with lower appearance grades. Yarn imperfections are higher.

Medium staple samples tested from the Southeast are shorter and weaker than a year ago at this time. Shirley Analyzer nonlint content is lower as is picker and card waste. Yarn quality shows weaker skein strength and lower appearance grades. Yarn imperfections are fewer than last season. The spinning potential yarn number is lower.

South Central medium staple samples are longer, coarser and weaker than a year ago. Both Shirley Analyzer nonlint content and picker and card waste are higher than last season. Yarns spun from these samples are weaker with lower appearance grades. The imperfection count is higher. The average spinning potential yarn number is higher.

Medium staple samples from the Southwest are longer, more uniform and stronger at zero gage fiber strength tests than a year ago. Picker and card waste is lower. Yarns spun from these samples show lower appearance grades. Imperfections are fewer.

Medium staple samples tested from the West to date have slightly shorter, more uniform and coarser fibers than a year ago. Shirley Analyzer nonlint content is lower. Yarns spun from these samples are weaker than a year earlier. Yarn imperfections are higher. Spinning potential yarn number is lower.

Long staple samples from the Southeast are shorter and less uniform than a year ago. Samples tested are coarser and weaker. Shirley Analyzer nonlint content is higher as is picker and card waste. Yarn strength is lower for carded yarns. Yarn appearance grades are higher than a year ago at this date. Imperfections are fewer. The average spinning potential yarn number is considerably lower than last season on the limited number of samples tested this season.

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. 1 These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

Summary of Cotton Fiber and Processing Test Results, Crop of 1976, USDA, AMS, Cotton Division, June 1977.

-Cotton:	Averages of	of	fiber	and p	rocessing	Ø	from	from selected gin points in t	gin	points	in	the Unit	Inited	ted States	
					through Oct	ober 2	28, 1977	776		1/					

Table 1.--

Staple group Area, and Crop year	Lots	Fibrograph		Fiber test Mike fine-	results Fiber Zero	strength 1/8"	S A nonlint	P&C waste	Processing test results  Yarn quality Skein Appear-Imperf-	Ssing test r	results ty Imperf-	Spin.
Short Staple:	No.	Inches	Pet:	Rdg.	Mpsi	G/tex	Bt.	Pet:	Lbs.	Index	No.	Yarn No.
Southwest 1976 1977	29	86.86	9 <sup>†</sup> †	4.7	90	55 55 55 55 55 55 55 55 55 55 55 55 55	9. w 9. w	5.0	84	111	13	36
Medium Staple: Southeast 1976 1977	77	1.10	9 <sub>1</sub>	44	88 87	24 23	3.6	6.7	112 99	105	83 80	90
South Central 1976 1977	15	1.09	45	4.4	889	24 23	9 6 9 6	6.1	11 <b>2</b> 106	101	18 22	- 3
Southwest 1976 1977	<b>2</b> 3	1.07	7 7 7 7	44	.81 85	22	6 W W	5.6	105	93	20	58
West 1976 1977	αrv	1.14	5th	44	86	88 89 89	๛ฺณ	けら	129	8,8	86	76
U.S. Average 1976 1977	126	1.08	45 45	44	85 86	୍ ଅ	3.0	7. 7. 0. 0.	109	001	19	58 57
Significant dif- ference 2/		0.02	N	0.2	α	1	0.5	0.5	4 (22s)	) 5	8	е

Based on a limited number of samples of modal quality . Minimum differences considered to be significant for comparisons in this table. كالإيا

Averages of fiber and processing tests from selected gin points in the United States through . October 28, 1977 1/(Continued)

Table 1. -- Cotton:

	1						
	SPY	No.	76	- 49			m
	comp	No.	0,*	<b>!</b> *			a
	Imprictus card comb	0	21 15	- 56	•		Q
2+[113e]	Quality Appearance	Indx N	125	*			5
Processing Test Results	Yarn Quality Appearance	Lbs. Indx Ind Carded & Combed	105	100			5
pessing	0 00	Lbs. Carde	146	*			4(22s) 2(50s)
Pro	Y Strength carded combed	Lbs.	126 104	109			4(22s)
	Comber	Pct.	14.4	. *			0.5
	P&C Waste	Pct.	5.8	6.7			0.5
	SA Non- lint	Pct.	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.9			0.5
v	gth 1/8" gage	G/tx	53 86	- <sup>†</sup> 8			н
esu]t	Strength Zero 1/8 gage gag		91	- 89			N
Fiber Test Results	th Strength Unif Mike Zero 1/8"	Pct. Rdg. Mpsi	7.0° 7.7	7.4			0.2
ber	h Unif	Pct.	9 <sup>†</sup> 1	145			a
	Length Span U	In.	1.18	1.15			0.02
	Lots	No.	<b>u</b> m	١.٦			
	Staple group, Area, and Crop year		Long Staple: Southeast 1976 1977	South Central 1976 1977			Significant Difference 2/

Minimum differences considered to be significant for comparisons in this table. Based on a limited number of samples of modal quality <u>न्राज</u>्ञ \*

Combed data not available.

- 5 -

on areas, crop of 1977	Processing Test Results - Carded Yarns
t staple: Quality characteristics by production areas, crop of 1977	Fiber Test Results
upland short staple:	
Table 2Cotton, American upland shor	Production Area,

	1							<b>-</b> 2	-						
	Spin. Poten-	tial	No No		45	90	7 7 7	53	64	38	54	48	52	51	
	Imprfect'ns	or 22sor tx 27 tx	No No		10	13	11	21	14	22	6	6	œ	11	
arns	Imprf	8s or 74 tx	N N		19	28	19	28	23	29	18	18	17	18	
Carded Yarns	ance	22sor 27 tx	외		110	110	110	100	06	110	110	110	120	110	
1	Appearance Index	8s or 74 tx	No		130	130	130	120	120	120	130	130	130	130	
Test Results	tion	22s or 27 tx	Pct		5.9	0.9	5.4	6.3	4.9	5.7	6.2	6.3	6.5	6.5	
sing Te	Elongation	8s or 74 tx	Pet		NT 6 • 9	7.0	NT 6.6	7.6	7.3	7.4	7.1	T.7	NT 7.4	7.6	
Processing	sth	22s or 27 tx	Tps		PERCENT 96 6.	100 PERCENT 285 101 7.	PERCENT 94 6.	7 PERCENT 105 7.	80 PERCENT 105 7.	PERCE 96	80 PERCENT 110 7.	75 PERCENT 105 7.	100 PERCENT 0 107 7.	90 PERCENT 103 7.	
	Strength	8s or 74 tx	Lbs		98	100 285	99	97 308	301	75	80 322	315	310	90	
	P & C	Waste	Pet		5.6	6.3	6.8	5.7	4.91	6.7	6.1	5.5	5.11	6.2	
	Color Raw Stock	Yel	8 <u> </u>		4	4	4	4	4	4	4	4	4	4	
	Cc Raw	Gra	읽		7	7	ю	٦	1	-	-4	-	1	-	
	S.A.	lint	Pct		2.8	3.4	4.1	2.6	2.8	A5 4.5	2.9	2.5	2.7	3.3	
ts	Elon-	1/8"	Pct		57 5.8	LX571 6.0	LX571 5.6	LX571 6.6	SP21 5.9		M78 5.9	5.6	LX571 6.4	57	
Fest Results	Fiber rength	1/8" Gage	G/tex		LANKART 22	LANKART 24	LANKART 21	LANKART 24	TAMCOT S	BLIGHTMASTER 21 6.2	MORCOT M	GSA71 22	LANKART 22	LANKART 23	
Fiber Test	Fiber Strength	Zero	Mpsi		92	91	91	87	87	87	83	92	86	83	
	Mike	During the second	Rdg		4.4	4.4	4.7	4.5	3.7	3.6	4.7	6.4	4.6	4.9	
	tal	Unif	Pct		94	4 5	94	44	44	94	48	9 4	4 72	8	-
	Digital Fibrograph	2.5% span	티		96.0	1.00	96.0	1.03	1.00	76.0	1.02	0.89	1.04	66.0	•
		Stple	32s	AREA	31	31	31	32	32	30	32	31	32	32	
rea,	i.			AR	32	32	45	31	31	32	31	31	31	32	4
Production Area,	Sample Number	No Name & Code		SOUTHWEST	CENTRAL TEXAS BARCWELL 3 MID LT SP	ITASCA 3 MID LT SP	PALMER 3 SLM LT SP	NORTHWEST TEXAS BURKBURNETT 1 MID 3	GOREE 1 MIC	LAMESA 1 MIC LT SP	LOCKNEY 1 MID	LOOP 1 MIC	RULE 1 MID	OKLAHOMA GRANDFIELD I MIC LT SP	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -

1/ Cotton stuck to processing rolls

1977	
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areas,	
production	
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characteristics	
ty	
Quali	
staple:	
medium	
pland	
American l	
Cotton,	
Table 3	

1	1	1						<b>-</b> 6 -								
	Spin. Poten-	81		25	53	43	7.1	54	62	45		62	51	55	55	54
	Imprfectins 2s or 50s or	12 tx     S		15	13	13	17	15	12	17		15	17	6	14	21
arns	Imprfe 22s or	27 IS IX		20	13	1.7	23	16	16	22		19	56	14	1.7	26
Carded Yarns	sx 50s or	18 tx		70	80	7.0	7.0	70	80	70		70	70	80	0 8	70
1	ppear Inde	27 tx I		110	110	110	90	06	100	80		06	06	06	100	06
Test Results	ation 50s or	12 tx Pct		4.2	4.0	3.9	4.	4.5	4.3	3.8		6.4	3.9	4.4	4.3	4.3
Processing Te	or 22s	Lbs Pct		PERCENT 24 1/5.0	PERCENT 32 5.4	PERCENT 26 5.8	PERCENT 39 5.7	PERCENT 32 6.3	PERCENT 36 5.7	PERCENT 30 5.3		PERCENT 36 6.8	PERCENT 31 5.6	PERCENT	PERCENT	PERCENT 31 6.0
Ä	Stre	Lbs Lbs		98 P 79 2	100 p	90 P 87 2	100 p	90 P	100 P	100 PI		100 PEF 110 36	100 PE	100 P	100 PI	100 P
	P & C Waste	Pct		7.0	5.7	5.6	5.4	0.9	6.8	6.3		6.2	7.1	6.1	5.9	7.5
	Color W Stock	-		m	4	4	m	ю	4	4		2	ы	٣	т	4
	Raw Gra	읡		5	4	5	ю	7	5	2		2	4	7	3	4
	S.A. Non-	Pet		3 2.8	I 2.8	2.5	3.3	2.6	2.9	2.3		2.3	3 4.4	2.6	3 2.6	2.8
ılts	Elon- gat'n 1/8"	_		EVILLE 213 6.3	KING 11	EVILLE 213 6.2	417	AP INE 16 6.7	417	201		APINE 16 6.7	EVILLE 21 6.0	EVILLE 21:	EVILLE 21	EVILLE 21:
est Results	Fiber rength o 1/8"	Gage G/tex		STONE V	DIXIE 22	STONE\ 22	COK ER 24	DEL TAF 21	COKER 24	COKER 24		DELTAR 23	STONE 1	STONE\ 22	STONE 22	STONE 22
Fiber Test	Fiber Strengt Zero 1	Mpsi		83	85	84	89	80	88	88		84	85	8	84	82
	Mike	Rdg		5.0	4.6	4.6	4.7	4.5	4.7	5.3		4.5	4.6	4.8	4.7	5.0
	al raph Unif.	Pet		94	46	44	94	才	46	46		45	71	47	46	47
	Digital Fibrograph 2.5% Uni	span In		1.03	1.05	1.06	1.13	1.10	1.11	1.12		1.16	1.10	1.11	1.11	1.13
	Stple	32s	ΕA	33	34	33	35	34	35	35	AREA	36	34	35	35	35
ea,		-	AREA	52	42	42	45	45	•	31	AR	41	51	41	41	45
Production Area, Classification	& Sample Number No Grade	Name & Code	SOUTHEAST	ALABAMA BELLE MINA 3 LM LT SP	CENTRE 2 SLM LT SP	HILLSBORO 3 SLM LT SP	PRATTVILLE 1 SLM LT SP	WILSONVILLE 1 SLM LT SP	SOUTH CAROLINA CHESTER 1 SLM SP 43	MAYESVILLE 1 MID	SOUTH CENTRAL	ARKANSAS ALTHEIMER 2 SLM	DRIVER 3 LM	DUMAS 2 SLM	HUGHES 2 SLM	LEACHVILLE 2 SLM LT SP

1 Enl breakage too high to spin 50s yarn. We yarn spun and strength adjusted to equivalent of 50s.

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977--(Continued)

	1							- /								
	Spin. Poten-	S S		54	61	44	62	55	5.8	64	58	7.1	62	59	7.0	8
	Imprfect'ns	12 tx No		16	21	14	11	22	12	11	14	1.8	25	14	15	15
Yarns	Imprf 22s or	27 tx No		24	24	19	16	23	16	12	20	21	30	2.0	16	2.0
Carded Y	ance x 50s or	IS tx		7.0	70	80	06	70	80	80	7.0	7.0	7.0	70	7.0	0 a
1	L le Pr	No No		100	06	100	110	06	110	100	100	06	100	06	100	100
st Results	)r	Pct Pct		3.3	4.6	4.2	4.8	4.5	6.4	3.8	4.3	5.4	4.5	5.0	5.1	4.2
Processing Test	Strength Elonga s or 50s or 22s or	27 tx 12 tx 27 tx 1 Lbs Lbs Pct		100 PERCENT 95 29 5.3	100 PERCENT 112 38 6.5	75 PERCENT 85 26 5.5	100 PERCENT 112 37 6.5	100 PERCENT 106 34 6.4	98 PERCENT 106 35 6.3	98 PERCENT 93 28 5.8	100 PERCENT 106 35 5.7	100 PERCENT 117 41 6.7	100 PERCENT 109 37 6.0	100 PERCENT 109 37 6.7	100 PERCENT 113 39 6.7	100 PERCEWT 103 33 5.9
	P & C Waste	Pct		8.9	7.0	6.1	5.8	6.5	5.6	6.1	7.1	5.3	9.8	4.8	0.9	7.6
	Color Raw Stock Gra Yel	-		2	т	т	2	2	m	٣	2	2	2	2	1	2
	Co Raw Gra	N N		4	m	2	1	6	2	1	~	2	٣	2	2	4
	S.A. Non- Lint	Pct		3.6	3.8	3 2.0	3 5	3.0	3 3•3	3 2.8	1N 3.5	†γ• †γ	9.8	2.9	2.5	5.2
ults	Elon- gat'n 1/8"	-		/ILLE 256 5.1	INE 16	21	INE 16 6.5	/ILLE 213 6.1	/ILLE 213 6.3	/ILLE 213 6.1	/ILLE 731N 5.1 3	1NE 16	INE 26 5.5	INE 61	0 INF 16 6.8	21
est Results	Fiber rength	G/tex		STONEVILLE 22 5.1	DEL TAP IN 24	STONEVILLE 20 6.3	DELTAPINE 23 6.	STONEVILLE 23 6.	STONEVILLE 22 6.	STONEVILLE 21 6.	STONEVILLE 24 5.	DELTAPINE 24	DELTAPINE 23	DEL TAP INE 23	DEL TAP INF 23 6	STONEVILLE 22 5.
Fiber T	Fiber Strength Zero 1/	Mpsi		87	84	79	88	85	83	80	88	84	87	81	16	98
	Mike	Reg		4 • 8	3.5	6.4	4.8	4.6	4.7	5.0	5.0	3.9	4.8	4.7	4.2	4.4
	raph Unif.	Pet		71	45	94	46	46	45	45	14	45	47	45	94	45
	Digital Fibrograph 2.5% Unif	In (penu		1.12	1.10	1.06	1.14	1.12	1.10	1.08	1.15	1.16	1.14	1.12	1.17	1.11
	Stple	32s Conti		35	34	34	35	36	34	34	36	36	36	35	36	36
ion.		EA(	(penu	51	42	41		51	41	31	51	41	51	41	41	5.1
Froduction Area, Classification	Sample Number No Grade	SOUTH CENTRAL AREA(Continued)	ARKANSAS(Continued)	VICTORIA 3 LM	WYNNE 2 SLM LT SP	LOUISIANA ALEXANDRIA 1 SLM	LAKE PROVIDENCE 1 SLM 41	MISSISSIPPI CLARKSCALE 2 LM	COMO 2 SLM	EDWARDS 1 MID	GLENDCRA 2 LM	GREENVILLE 2 SLM	GREENVILLE 1 LM	GUNNISCN 3 SLM	HOLLANCALE 2 SLM	INDIANCLA 3 LM

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Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977--(Continued)

1	1	1						- 8 -								
	Spin. Poten- tial	N N		84	53	59	52	52	84		4 4 8 0	65	25	53	59	
	Imprfect'ns	네울l		15	16	6	12	14	18		7	15	19	23	21	
arns	Imprfe 22s or			22	24	15	17	15	22		10	15	18	34	56	
Carded Yarns	ance x 50s or	8   		10	70	06	80	80	70		80 70	70	06	09	09	
	Appearance Index 22s or 50s	01		9.0	100	100	100	110	100		100	110	100	06	80	
Test Results -	, c	1		3.5	4.3	4.5	4.	3.9	4.0		3.8	8.4	3.6	4.8	8.8	
Processing Te	Strength Elongation 22s or 50s or 70s or 70s or 27 tx 12 tx	bs Lbs Pc		100 PERCENT 99 30 5.3	100 PERCENT 101 32 6.2	100 PERCENT 107 36 6.0	75 PERCENT 97 33 6.4	70 PERCENT 97 30 5.9	90 PERCENT 91 27 5.7		75 PERCENT 98 30 1/5.5 86 23 4.7	100 PERCENT 108 37 6.0	70 PERCENT 94 21 5.2	100 PERCENT 109 36 2/5.9	100 PERCENT 108 38 6.5	( L
	P & C Waste	Pet		6.9	6.5	4.9	4.9	5.4	6.1		6.2	5.4	6.1	7.0	8.2	
	Color w Stock a Yel	일		2	3	3	9	4	٣		mm	М	4	4	3	1
	Co Raw Gra	ટ્રી		8	2	2	2	4	8		2 2	-	-	-	1	4 . 4
	S.A. Non- Lint	Pct		4.5	4.4	3.5	3.4	3.0	3 2.7		3.0	2.0	3.8	4.0	<b>4.</b> 8	1
lts	Elon- gat'n 1/8"	Pet		1LLE 825 5.0	11LE 213 5.9	11LE 213 5.9	INE 16 6.4	INE 16 7.0	11LE 213		ILLE 7A 5.4 5.2	INE 16 6.8	T 4789A 5.4	312 5.8	5110 6.1	140000
est Results	Fiber Strength ero 1/8"	G/tex		STONEVILLE 23 5.	STONEVILL 20 5	STONEVILLE 22 5.	DELTAPINE 23 6.	DELTAPINE 22 7.	STONEVILLE 22 6.4		STONEVILLE 21 21 5.0	DEL TAP INE	LOCKETT 22	COK ER 23	COK ER	3
Fiber Test	Fi Stre Zero Gage	Mpsi		87	83	84	80	81	80		95	82	86	83	84	1.1.
	Mike	Rdg		8 • 4	5.0	6.4	4.7	7.4	4.8		4 4 8 4	4.7	4.1	4.6	4.4	
	al graph Unif.	Pet		47	46	47	7 7	4.7	4.5		46	46	46	43	45	0
	Digital Fibrograph 2.5% Unif	nued)		1.13	1.10	1.12	1.10	1.09	1.10		1.05	1.12	0.98	1.12	1.10	40
	Stple	32s Conti	(pe	35	35	35	34	34	35	AREA	34	35	31	34	35	3,000
rea,		3A(	ntinu	51	41	41	41	42	41	AR	41	41	31	31	41	+
icat	Numb de Code	L ARE	-(Cor		CITY			SP					TEXAS			الري و
Production Area, Classification	Sample Number  Grade  No Rane & Code	SOUTH CENTRAL AREA(Continued)	MISSISSIPPI(Continued)	INDIANOLA 3 LM	MORGAN C 2 SLM	TRIBBETT 2 SLM	WATER VALLEY 2 SLM	TENNESSEE BRADEN 2 SLM LT	RIDGELY 2 SLM	SOUTHWEST	CENTRAL TEXAS CROCKETT 2 SLM 3 SLM	NAVASOTA 3 SLM	NORTHWEST ACKERLY 1 MID	LUBBOCK 1 MID	LUBBOCK 1 SLM	Find breakage too bight to arise 50s

End breakage too high to spin 50s yarn. 44s yarn spun and strength adjusted to equivalent of 50s. End breakage too high to spin 50s yarn. 36s yarn spun and strength adjusted to equivalent of 50s. 

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1977--(Continued)

	Spin.	roten- tial	<u>N</u>		54	82	80	74
	ct'ns	50s or	No No		11	15	22	54
rns	Imprfect'ns	22s or 27 tx	외		25	20	25	29
ded Ya	nce	os or 2	외		70	70	9	09
ts - Can	Appearance Index	2s or 5	외		06	06	06	80
Processing Test Results - Carded Yarns		22s or 50s or 22s or 50s or 22s or 50s or 22s or 50s or 27 tx 12 tx 27 tx 12 tx 27 tx 12 tx	Pet		4.7	5.3	5.0	5.0
ing Tes	Elongation	22s or 5	Pet		ENT 6.0	ENT 6.2	ENT 6.3	ENT 6.2
Process	gth	Os or	sq.		97 PERCENT 3 33 6.	99 PERCENT 130 47 6.2	98 PERCENT	93 PERCENT . 46 6.2
	Strength	2s or 5	Ips		97 PERCENT 103 33 6.0	130	98 135	. 93 131
	Color Raw Stock P & C		Pct		6.2	6.4	98 PERCENT 4.9½/135 48 6.3	4.8 1/ 131
	or	Yel	욁		m	m	m	m
	Color Raw Sto	Gra Yel	외		0	0	0	0
	S.A.	Non- Lint	Pet		2 • 8	2.1	1.8	1.7
ts	Elon-	gat'n 1/8"	Pct		DELTAPINE 61 22 6.7	SJ-2 6.1	5.8	5J-2 5.6
Fiber Test Results	er gth	1/8" Gage	G/tex		DEL TAP 22	ACALA SJ-2 28 6.	ACALA SJ-2 28 5.	ACALA SJ-2 28 5.
iber Te	Fiber Strength	Zero	Mpsi		83	93	86	96
E4		Mike	Rdg		4.4	4.3	4.1	3.9
	al raph	Unif.	Fet		45	8	84	46
	Digital Fibrograph	Stple 2.5% span	티		31 35 1.12	31 36 1.15	31 36 1.15	31 35 1.12
		Stple	32s	AREA	35	36	36	35
rea,	FI CO			A	31	31	31	
Production Area, Classification	& Sample Number	No Grade Name & Code		WEST	ARIZONA ROLL I MID	CALIFORNIA ARVIN 1 MID	ARVIN 1 MID	BAKERSFIELD 1 MID

1/ Cotton stuck to processing rolls.

Table  $\psi$  --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1977

	Spin.	tial	<u>8</u>		<b>4</b> 80	59	99
	t'ns	50s or 12 tx	SI SI		10	11	6
arns	Imprfect'ns	22s or 27 tx	용		15	14	15
arded Y	ance x	50s or 12 tx	요		06	06	80
1ts - C	Appearance Index	22s or 27 tx	&  		110	110	110
Processing Test Results - Carded Yarns	tion	Comber 22s or 50s or 22s or 50s or 22s or 50s or 22s or 50s or Waste 27 tx 12 tx 27 tx 12 tx 27 tx 12 tx 27 tx 12 tx	Pct		4.5	4.3	4.1
sing Te	Elongation	22s or 27 tx	Pet		5.4	ENT 5.5	5.3
Proces	gth	50s or 12 tx	됩		PER(	90 PERCENT 5 35 5.5	100 PERCENT
	Strength	22s or 27 tx	rbs		91	90	115
	P&C and	Comber Waste	Pct		8.8	6.5	7.9
	쥥	Yel	용		4	m	٣
	Color Raw Sto	Gra	용		4	8	m
	S.A.		Pct		3.3	2.8	3.6
ts	Elon-	1/8"	Pct		310	310 5.6	310 5.6
Fiber Test Results	per ngth	1/8" Gage	G/tex		COKER 310 22 6.	COKER 310 23 5	COKER 310, 24 5,
iber Te	Fiber Strength	Zero Gage	Mpsi		833	85	98
		Mike	Rdg		5.0	4.8	4.9
	al aph	Unif.	Pet		14	45	45
	Digital Fibrograph	2.5% span	립		34 1.06	35 1.13	50 36 1.18
		Stple	32s	AREA		35	36
Area,	ber			∢	LE 42	NA 41	NA 50
Production Area, Classification	& Sample Number	No Grade Name & Code		SOUTHEAST	ALABAMA JACKSONVILLE 1 SLM LT SP 42	NORTH CAROLINA DUNN 1 SLM	SOUTH CAROLINA HARTSVILLE I LM PLUS